

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CN2005/000273

A. CLASSIFICATION OF SUBJECT MATTER

IPC⁷ E06B 3/968,F16B 12/50

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷ E06B,F16B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

CHINA PATENT DOCUMENT (1985-)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CNPAT,WPI,EPODOC,PAJ "L","I",OPENING?,HOLE?,PASSAGE?,ACCESS,RECESS??.CUT...

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 03058018 A1 (FENEGLOBE SYSTEMS LIMITED) 17 July 2003 (17.07.2003) whole document	1-5
A	DE 19524612 A1 (GRUNDMEIER KG) 09 January 1997 (09.01.1997) whole document	1-5
A	US 6067760 A (PATIO ENCLOSURES INC) 30 May 2000 (30.05.2000) whole document	1-5
A	CN 2419355 Y (Xiayin CHEM IND CO LTD) 14 February 2001 (14.02.2001) whole document	1-5
A	CN 1111729 A (SWAL ALUSUISSE-LONZA SERVICES LTD) 15 November 1995 (15.11.1995) whole document	1-5
A	JP 11101072 A (NODA KK) 13 April 1999 (13.04.1999) whole document	1-5
A	JP 9310479 A (SEKISUI CHEM IND CO LTD) 02 December 1997 (02.12.1997) whole document	1-5

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim (S) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
27.05.2005

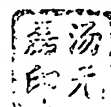
Date of mailing of the international search report
16 JUN 2005 (16.06.2005)

Name and mailing address of the ISA/CN
The State Intellectual Property Office, the P.R.China
6 Xitucheng Rd., Jimen Bridge, Haidian District, Beijing, China
100088
Facsimile No. 86-10-62019451

Authorized officer

TANG,Yuanlei

Telephone No. 62084851



INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/CN2005/000273

Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
WO 03058018 A1	17.07.2003	AU 2002227817 A1	24.07.2003
DE 19524612 A1	09.01.1997	DE 29522364 U1	30.01.2003
		DE 19524612 C2	21.10.1999
US 6067760 A	30.05.2000	NONE	
CN 2419355 Y	14.02.2001	NONE	
CN 1111729 A	15.11.1995	EP 0671566 A1	13.09.1995
		JP 7269531 A	17.10.1995
		CH 687719 A5	31.01.1997
		EP 0671566 B1	09.09.1998
		DE 59503478 G	15.10.1998
		ES 2122495 T3	16.12.1998
JP 11101072 A	13.04.1999	JP 3133022 B2	05.02.2001
JP 9310479 A	02.12.1997	NONE	

国际检索报告

国际申请号

PCT/CN2005/000273

A. 主题的分类

IPC⁷ E06B 3/968,F16B 12/50

按照国际专利分类表(IPC)或者同时按照国家分类和 IPC 两种分类

B. 检索领域

检索的最低限度文献(标明分类系统和分类号)

IPC⁷ E06B,F16B

包含在检索领域中的除最低限度文献以外的检索文献

中国专利文献(1985-)

在国际检索时查阅的电子数据库(数据库的名称, 和使用的检索词(如使用))

CNPAT,WPI,EPODOC,PAJ L 型, I 型, L 形, I 形, 孔, 通道....."L","I",OPENING?,HOLE?,PASSAGE?,
ACCESS,RECESS??.CUT...

C. 相关文件

类 型*	引用文件, 必要时, 指明相关段落	相关的权利要求
A	WO 03058018 A1 (FENEGLOBE SYSTEMS LIMITED) 17.7 月 2003 (17.07.2003) 全文	1-5
A	DE 19524612 A1 (GRUNDMEIER KG) 09.1 月 1997 (09.01.1997) 全文	1-5
A	US 6067760 A (PATIO ENCLOSURES INC) 30.5 月 2000 (30.05.2000) 全文	1-5
A	CN 2419355 Y (夏音化学株式会社) 14.2 月 2001 (14.02.2001) 全文	1-5
A	CN 1111729 A (瑞士铝业-隆察服务有限公司) 15.11 月 1995 (15.11.1995) 全文	1-5
A	JP 11101072 A (NODA KK) 13.4 月 1999 (13.04.1999) 全文	1-5
A	JP 9310479 A (SEKISUI CHEM IND CO LTD) 02.12 月 1997 (02.12.1997) 全文	1-5

☐ 其余文件在 C 栏的续页中列出。☒ 见同族专利附件。

* 引用文件的具体类型:

“A” 认为不特别相关的表示了现有技术一般状态的文件

“E” 在国际申请日的当天或之后公布的在先申请或专利

“L” 可能对优先权要求构成怀疑的文件, 或为确定另一篇
引用文件的公布日而引用的或者因其他特殊理由而引
用的文件

“O” 涉及口头公开、使用、展览或其他方式公开的文件

“P” 公布日先于国际申请日但迟于所要求的优先权日的文件

“T” 在申请日或优先权日之后公布, 与申请不相抵触, 但为了
理解发明之理论或原理的在后文件“X” 特别相关的文件, 单独考虑该文件, 认定要求保护的
发明不是新颖的或不具有创造性“Y” 特别相关的文件, 当该文件与另一篇或者多篇该类文件
结合并且这种结合对于本领域技术人员为显而易见时,
要求保护的发明不具有创造性

“&” 同族专利的文件

国际检索实际完成的日期

27.05.2005

国际检索报告邮寄日期

16.6月 2005 (16.06.2005)

中华人民共和国国家知识产权局(ISA/CN)

中国北京市海淀区蓟门桥西土城路 6 号 100088

传真号: (86-10) 62019451

授权官员

汤元磊

电话号码: (86-10)62084851

国际检索报告
关于同族专利的信息

国际申请号
PCT/CN2005/000273

检索报告中引用的 专利文件	公布日期	同族专利	公布日期
WO 03058018 A1	17.07.2003	AU 2002227817 A1	24.07.2003
DE 19524612 A1	09.01.1997	DE 29522364 U1	30.01.2003
		DE 19524612 C2	21.10.1999
US 6067760 A	30.05.2000	无	
CN 2419355 Y	14.02.2001	无	
CN 1111729 A	15.11.1995	EP 0671566 A1	13.09.1995
		JP 7269531 A	17.10.1995
		CH 687719 A5	31.01.1997
		EP 0671566 B1	09.09.1998
		DE 59503478 G	15.10.1998
		ES 2122495 T3	16.12.1998
JP 11101072 A	13.04.1999	JP 3133022 B2	05.02.2001
JP 9310479 A	02.12.1997	无	